

## **CLAIMS**

### **What is claimed is:**

1. An electronically controlled valve assembly comprising:  
a valve cartridge including a valve; and  
a motor coupled to the valve cartridge to control movement of the valve in response to an electronic control signal.
2. The electronically controlled valve assembly of claim 1 wherein the valve comprises a ceramic valve insert.
3. The electronically controlled valve assembly of claim 2 wherein the ceramic valve insert comprises a ceramic disc.
4. A method of electronically controlling fluid dispensation, the method comprising the steps of:  
sending an electronic signal from a controller to a motor coupled to a valve cartridge, the valve cartridge including a valve; and  
moving the valve with the motor in response to the electronic signal to permit or prohibit fluid flow through the valve cartridge.
5. An electronically controlled fluid dispensing apparatus comprising:  
an electronically controlled valve assembly including a valve cartridge housing a valve and a motor coupled to the valve cartridge to control at least one aspect of fluid dispensation from the valve; and  
a controller communicating with the motor to provide electronic instructions for controlling movement of the valve.
6. The electronically controlled fluid dispensing apparatus of claim 5 wherein the valve comprises a ceramic valve insert.

7. The electronically controlled fluid dispensing apparatus of claim 6 wherein the ceramic valve insert comprises a ceramic disc.